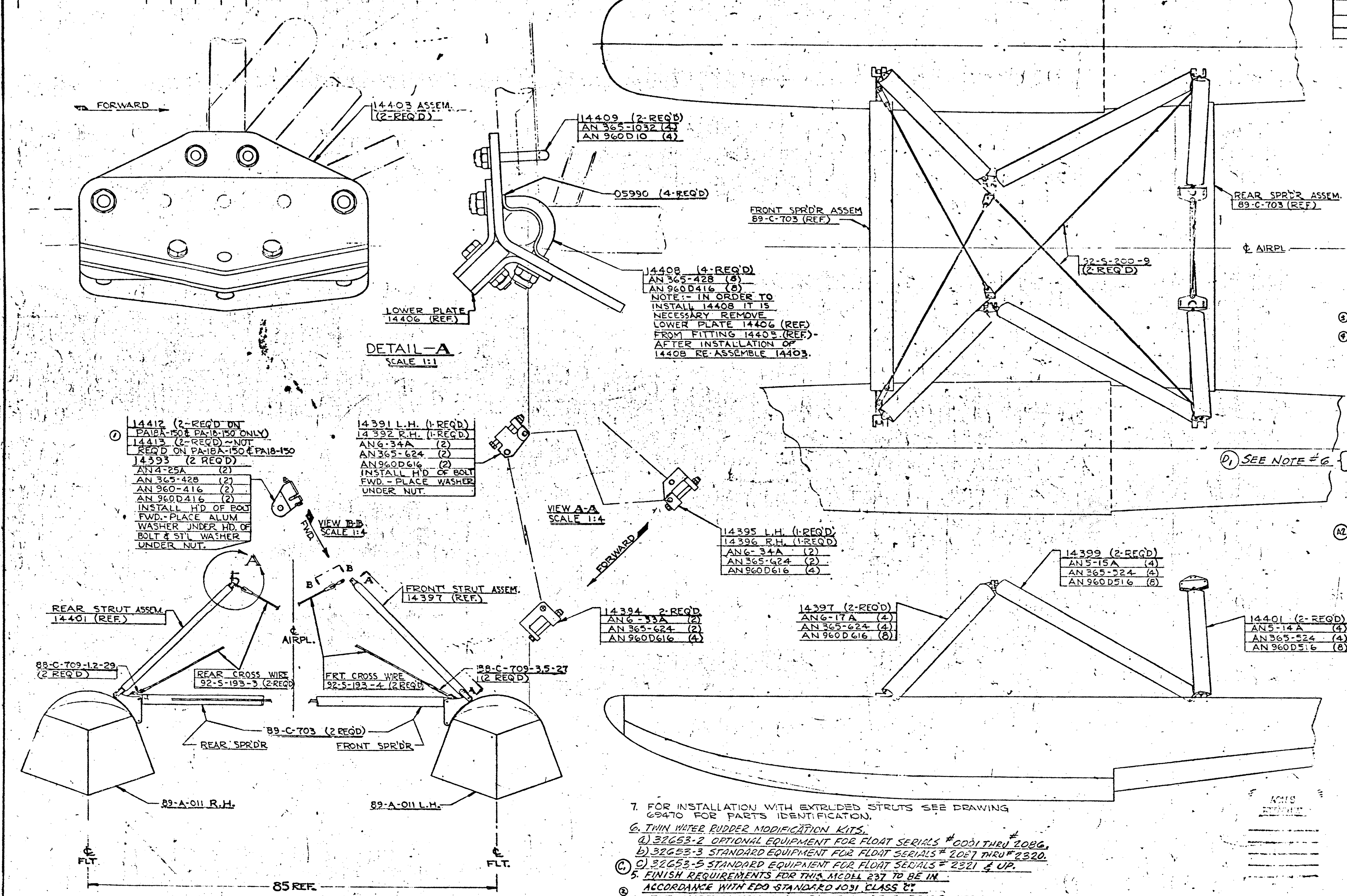
LET.	REVISION	BY DATE	CHK'D	STRESS	APP'D
E	REVISED PER ECO S-1703	4-20-78	4/25/78	—	

ZONE	C.O. NO.	LT.	REVISION	BY/DATE	CHECK.	STRESS	APP
	4828	A	ADDED NOTE-3	4-1-53	A.R.	—	
	5428	B	① ADDED TO F/D ② ADDED NOTE-4 ③ & ④ ADDED TO B/M	12-4-54	H.R.	—	
	9828	C	(1) (2) ADDED	FAB	JM	—	
	14952	D	(1) AND NOTE 6 ADDED				



FORWARD
14403 ASSEM. (2-REQ'D)
14409 (2-REQ'D)
AN 365-1032 (4)
AN 960D10 (4)
05990 (4-REQ'D)
14408 (4-REQ'D)
AN 365-428 (8)
AN 960D416 (8)
NOTE:- IN ORDER TO INSTALL 14408 IT IS NECESSARY REMOVE LOWER PLATE 14406 (REF.) FROM FITTING 14403 (REF.)- AFTER INSTALLATION OF 14408 RE-ASSEMBLE 14403.
LOWER PLATE 14406 (REF.)
DETAIL-A
SCALE 1:1
FRONT SPR'D'R ASSEM 89-C-703 (REF.)
REAR SPR'D'R ASSEM. 89-C-703 (REF.)
92-S-200-9 (2-REQ'D)
℄ AIRPL.
ⓓ SEE NOTE #6
① 14412 (2-REQ'D ON PA18A-150 & PA-18-150 ONLY)
14413 (2-REQ'D) - NOT REQ'D ON PA-18A-150 & PA18-150
14393 (2 REQ'D)
AN4-25A (2)
AN 365-428 (2)
AN 960-416 (2)
AN 960D416 (2)
INSTALL H'D OF BOLT FWD.- PLACE ALUM WASHER UNDER HD. OF BOLT & ST'L WASHER UNDER NUT.
14391 L.H. (1-REQ'D.)
14392 R.H. (1-REQ'D.)
AN6-34A (2)
AN365-624 (2)
AN960D616 (2)
INSTALL H'D OF BOLT FWD. - PLACE WASHER UNDER NUT.
VIEW B-B
SCALE 1:4
FWD.
VIEW A-A
SCALE 1:4
FORWARD
14395 L.H. (1-REQ'D)
14396 R.H. (1-REQ'D)
AN6-34A (2)
AN365-624 (2)
AN960D616 (4)
A
B
B
A
5
REAR STRUT ASSEM. 14401 (REF.)
FRONT STRUT ASSEM. 14397 (REF.)
℄ AIRPL.
14394 2-REQ'D
AN6-33A (2)
AN 365-624 (2)
AN960D616 (4)
88-C-709-1.2-29 (2 REQ'D)
REAR CROSS WIRE 92-S-193-3 (2 REQ'D)
FRT. CROSS WIRE 92-S-193-4 (2 REQ'D)
88-C-709-3.5-27 (2 REQ'D)
89-C-703 (2 REQ'D)
REAR SPR'D'R
FRONT SPR'D'R
89-A-011 R.H.
89-A-011 L.H.
℄ FLT.
℄ FLT.
85 REF.
14399 (2-REQ'D)
AN5-15A (4)
AN 365-524 (4)
AN 960D516 (8)
14397 (2-REQ'D)
AN6-17A (4)
AN 365-624 (4)
AN 960D616 (8)
14401 (2-REQ'D)
AN5-14A (4)
AN365-524 (4)
AN 960D516 (8)

NO. REQ	PART NO.	NAME	MATERIAL	MATL SPEC.	STOCK SIZE
2	AN960-416	WASHER	ST'L.	AN	
18	AN960D616	WASHER	AL. ALLOY	AN	
16	AN960D516				
10	AN960D416				
4	AN960D10	WASHER	AL. ALLOY		
10	AN365-624	NUT	ST'L		
8	AN365-524				
10	AN365-428				
4	AN365-1032	NUT			
4	AN6-34A	BOLT			
2	AN6-33A				
4	AN6-17A				
4	AN5-15A				
4	AN5-14A				
2	AN4-25A	BOLT	ST'L.	AN	
③ 2	14413	BUSHING	SEE DWG	14412	
④ 2	14412	BUSHING	SEE SEP	DWG	
2	92-S-200-9	CROSS WIRE ASSEM.-SPR'D'R			
2	92-S-193-4	CROSS WIRE ASSEM.-FRT			
2	92-S-193-3	CROSS WIRE ASSEM.-RR			
2	89-C-703	ASSEM.-SPR'D'R.			
1	89-A-011R	FLOAT ASSEM.-RH			
1	89-A-011L	FLOAT ASSEM.-LH			
REF 1	32653-2 -3 OR -5	TWIN W/R MOD. KITS			
2	88-C-709-3.5-27	WIREPULL-FRT CROSS WIRE			
2	88-C-709-1.2-29	WIREPULL-RR. CROSS WIRE			
4	05990	SADDLE PLATE			
Ⓐ2 REF	1031	FINISH SPEC			
REF.	14389	INSTALL. DIMENSIONS			
1	14410	WATER RUD. CONT. INST.			
2	14409	"U"-BOLT	SEE SEP.	DWG	
4	14408	ANGLE BOLT	SEE SEP	DWG.	
2	14403	FITT. ASSEM RR. FUSE			
2	14401	ASSEM REAR STRUT			
2	14399	ASSEM. DIAG. STRUT			
2	14397	ASSEM.-FRT STRUT	SEE SEP	DWG.	
1	14396	SWIVEL FITT. RR. FLT.-RH.	SEE DWG	14395	
1	14395	SWIVEL FITT. RR. FLT.-LH.			
2	14394	SWIVEL FITT. FRT. FLT.	SEE SEP.	DWG.	
2	14393	WIREPULL FRT. FUSE	SEE SEP.	DWG.	
1	14392	SWIVEL FITT. FRT. FUSE-RH	SEE DWG	14391	
1	14391	SWIVEL FITT. FRT. FUSE-LH			
	14390	INSTALL. ASSEM.			SEE SEP PL

14390

7. FOR INSTALLATION WITH EXTRUDED STRUTS SEE DRAWING 69470 FOR PARTS IDENTIFICATION.

6. TWIN WATER RUDDER MODIFICATION KITS.
a) 32653-2 OPTIONAL EQUIPMENT FOR FLOAT SERIALS #0001 THRU #2086.
b) 32653-3 STANDARD EQUIPMENT FOR FLOAT SERIALS # 2087 THRU # 2320.
Ⓒ c) 32653-5 STANDARD EQUIPMENT FOR FLOAT SERIALS # 2321 & UP.

5. FINISH REQUIREMENTS FOR THIS MODEL 237 TO BE IN ACCORDANCE WITH EDO STANDARD 1031 CLASS "C".

② 4- FOR INSTALLATION ON PIPER MODELS PA18A-150 & PA18-150 SEE PIPER DWG NO. 14512.

3- FOR INSTALLATION ON PIPER MODELS PA-18A & PA18-125, POWER PLANT MODIFICATION PER PIPER DWG 14155 IS REQUIRED.

2- FOR WATER RUD. CONTR. INSTAL. REFER TO DWG 14410 & NOTE #6.

1- FOR INSTALLATION DIMENSIONS REFER TO DWG 14389

NOTES:-

SEE NOTE #5 PROCESS/FINISH SPEC	TOTAL WEIGHT CALCUL. ACTUAL	DRAWN A.L. DATE 9-22-52 CHECKED DATE 9-22-52 STRESS APP. DATE 9-23-52 ENG APP. DATE CUST. APP. DATE
UNLESS OTHERWISE SPECIFIED 1 ALL DIMENSIONS IN INCHES 2 TOLERANCES ON DIMENSIONS FRACTIONAL ± ANGULAR ± DECIMAL ± 3 THREADS TO BE NAT. FORM CLASS 3 FIT	HEAT TREAT (T.S.) SCALE DATE OF RELEASE 23 SEP 52	

EDO CORPORATION
COLLEGE POINT LONG ISLAND, N.Y.

NAME INSTALL. ASSEM. EDO 89-2000 FLOATS PIPER PA18-125 & ENGINES
PA18A-150 & PA18-150 & PA-18A & PA18-125
FIRST USED ON MODEL 237
14390